ABSTRACT

The present invention provides a method of combining various types of data and software in order to arrive at a composite graphical representation of a construction site, including surface and subsurface features. A 2-D or 3-D graph of subsurface contoured surfaces is created. A 3-D wire-frame model of surface and subsurface features is created. Aerial photographs of the site can be incorporated and the aerial photographs contoured surfaces and wire-frame model are to produce a complete Visual Reduction Modeling Language (VRML) model of both surface and subsurface features. The VRML model allows the user to identify and visualize a relationship between sub-surface features and above ground features.